

FIG. 1

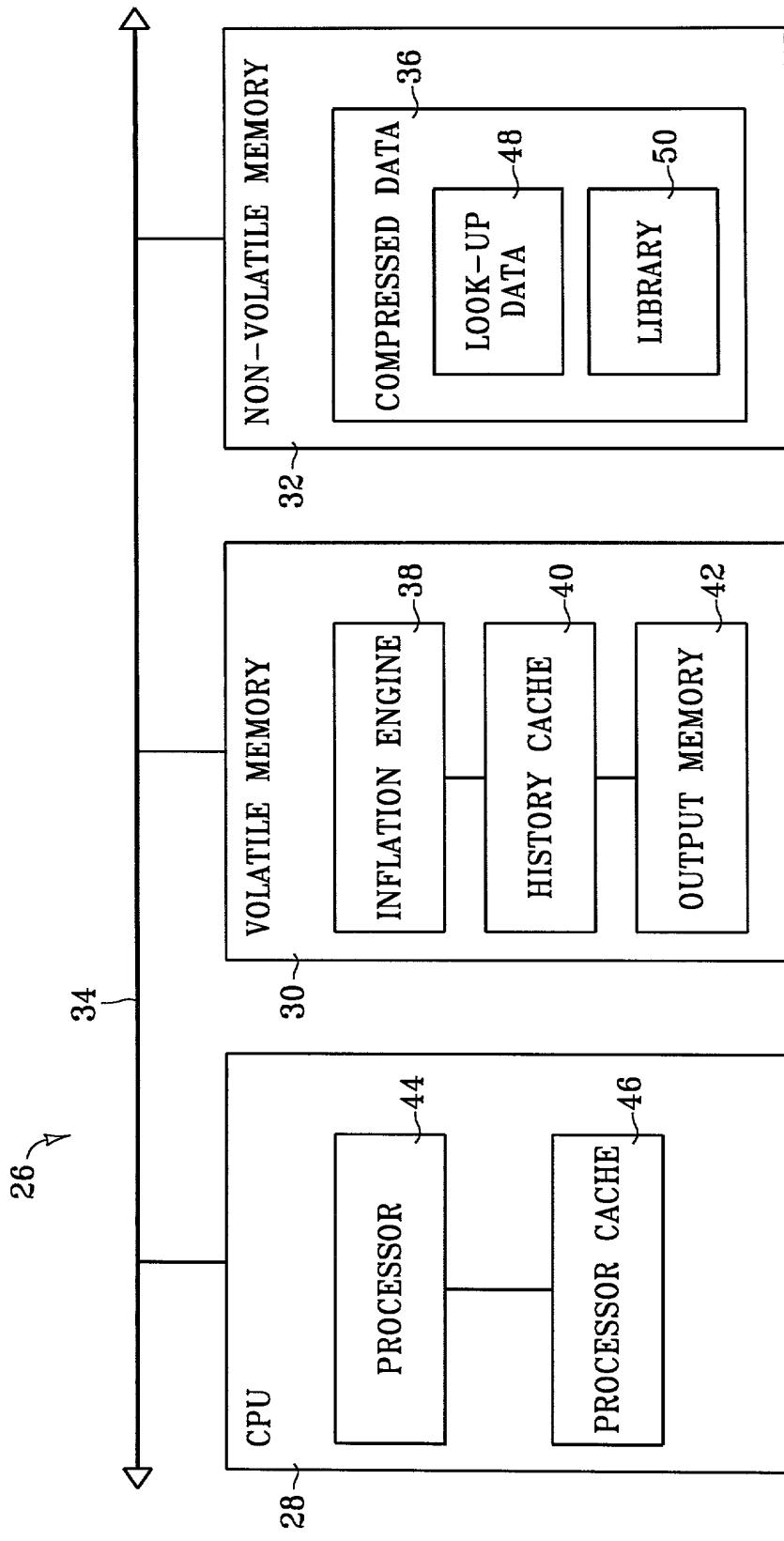


FIG. 2

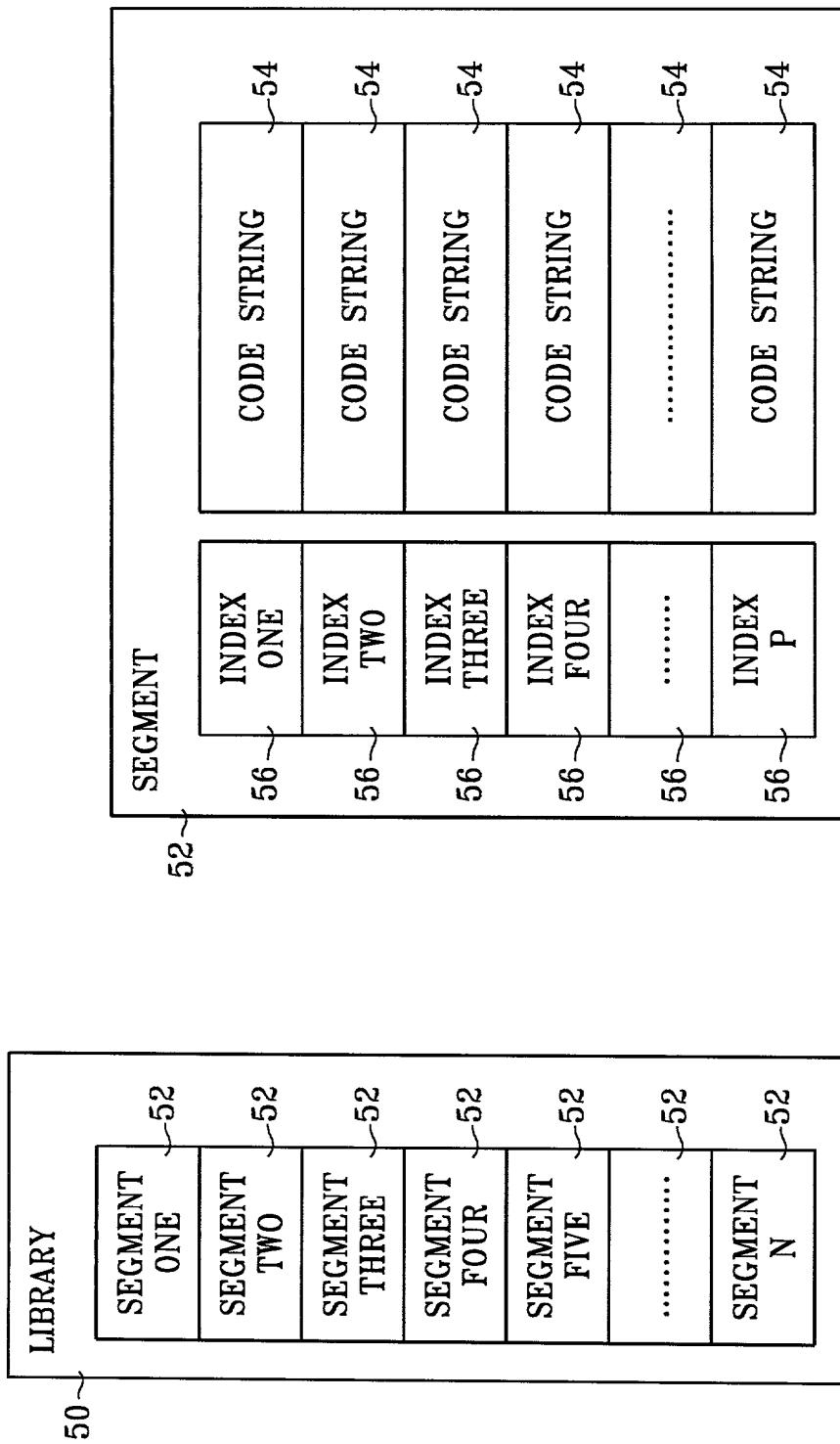


FIG. 3

FIG. 4

CODE STRING					
BIT R	BIT FOUR	BIT THREE	BIT TWO	BIT ONE
58	58	58	58	58	58

FIG. 5

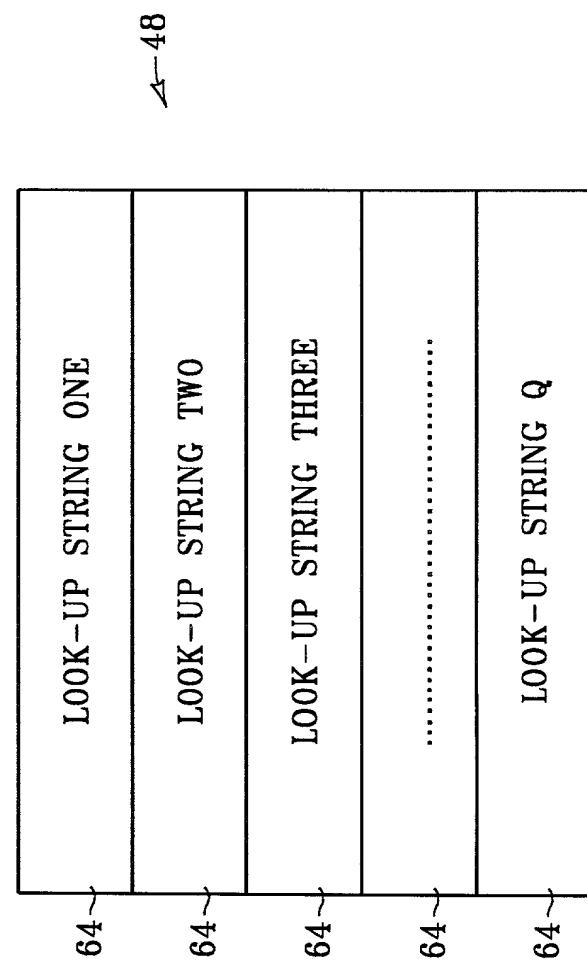


FIG. 7

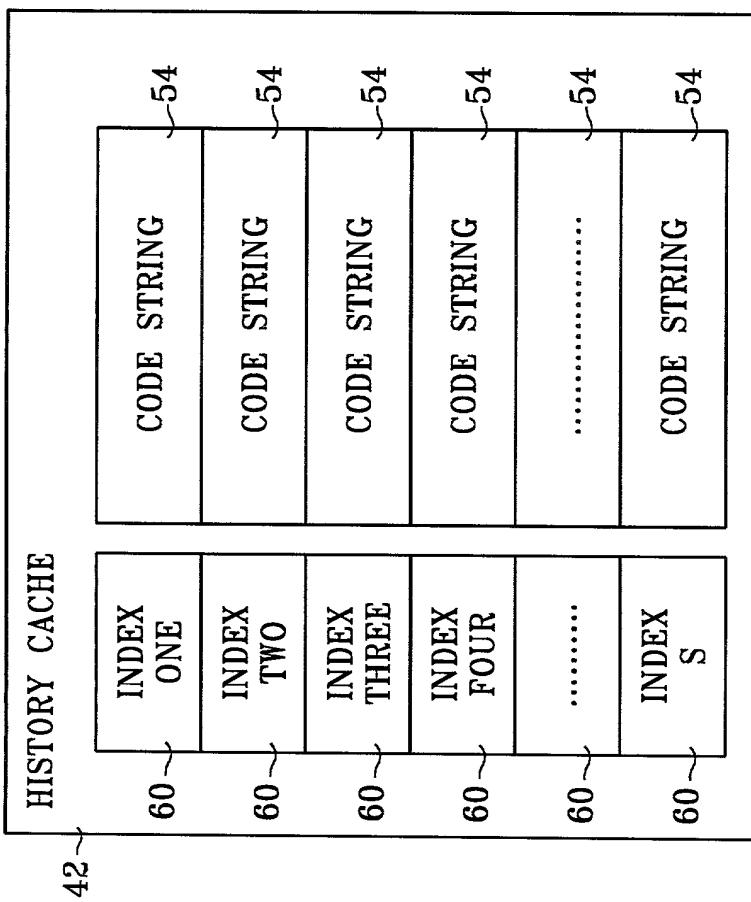


FIG. 6

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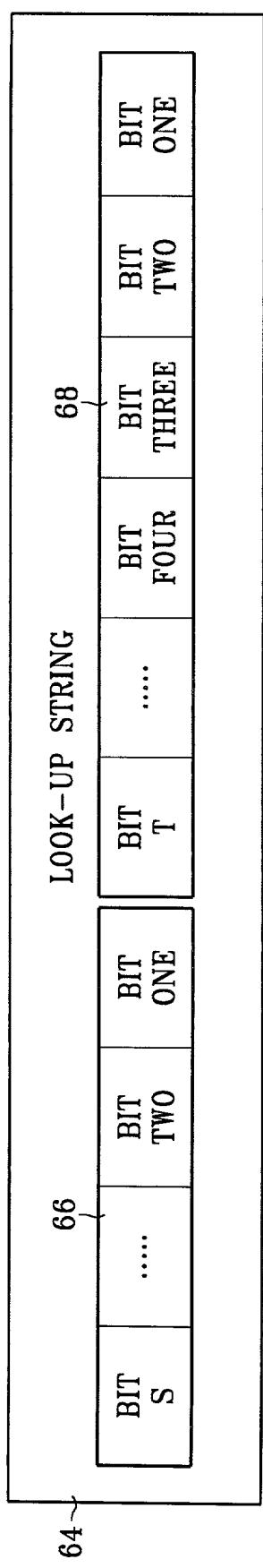


FIG. 8

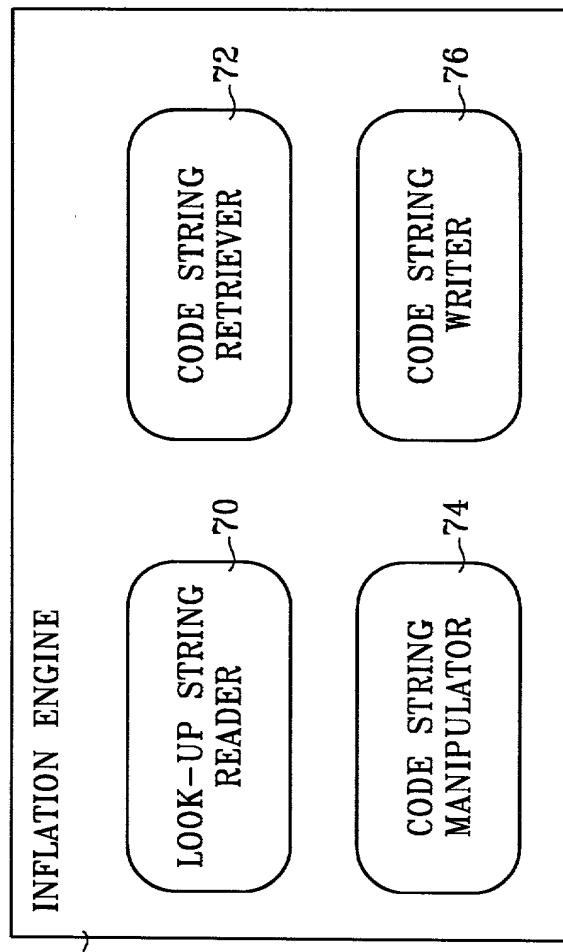


FIG. 9

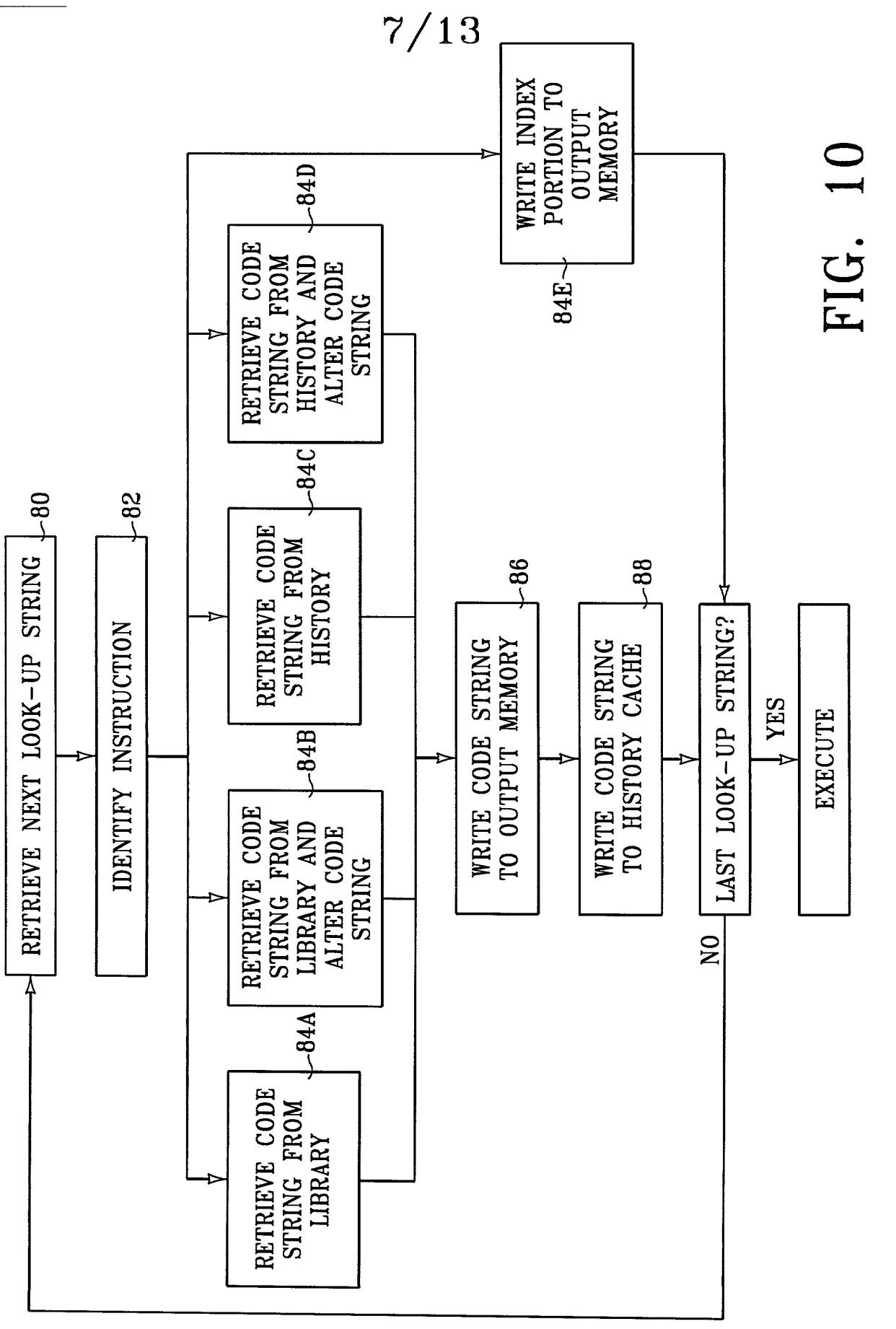


FIG. 10

SEGMENT 0000	16 INDEXED POSITIONS 4 BIT INDEX
SEGMENT 0001	32 INDEXED POSITIONS 5 BIT INDEX
SEGMENT 0010	64 INDEXED POSITIONS 6 BIT INDEX
SEGMENT 0011	128 INDEXED POSITIONS 7 BIT INDEX
SEGMENT 0100	256 INDEXED POSITIONS 8 BIT INDEX
SEGMENT 0101	512 INDEXED POSITIONS 9 BIT INDEX
SEGMENT 0110	1024 INDEXED POSITIONS 10 BIT INDEX
SEGMENT 0111	2048 INDEXED POSITIONS 11 BIT INDEX
SEGMENT 1000	4096 INDEXED POSITIONS 12 BIT INDEX
SEGMENT 1001	8192 INDEXED POSITIONS 13 BIT INDEX

56 ~	0000	CODE STRING	54
56 ~	0001	CODE STRING	54
56 ~	0010	CODE STRING	54
56 ~	0011	CODE STRING	54
56 ~	0100	CODE STRING	54
56 ~	0101	CODE STRING	54
56 ~	0110	CODE STRING	54
56 ~	0111	CODE STRING	54
56 ~	1000	CODE STRING	54
56 ~	1001	CODE STRING	54
56 ~	1010	CODE STRING	54
56 ~	1011	CODE STRING	54
56 ~	1100	CODE STRING	54
56 ~	1101	CODE STRING	54
56 ~	1110	CODE STRING	54
56 ~	1111	CODE STRING	54

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FIG. 1250
FIG. 11

OPERATION	INSTRUCTION PORTION	INDEX PORTION	TOTAL BITS
<i>Library Retrieve/Write</i>	0000	0000 through 1111	8
<i>Library Retrieve/Write</i>	0000	00000 through 11111	9
<i>Library Retrieve/Write</i>	0000	000000 through 111111	10
<i>Library Retrieve/Write</i>	0000	0000000 through 1111111	11
<i>Library Retrieve/Write</i>	0000	00000000 through 11111111	12
<i>Library Retrieve/Write</i>	0000	000000000 through 111111111	13
<i>Library Retrieve/Write</i>	0000	0000000000 through 1111111111	14
<i>Library Retrieve/Write</i>	0000	00000000000 through 11111111111	15
<i>Library Retrieve/Write</i>	0000	000000000000 through 111111111111	16
<i>Library Retrieve/Write</i>	0000	0000000000000 through 1111111111111	17

FIG. 13

66		LOOK-UP STRING		68	
Operation	INSTRUCTION PORTION	INDEX PORTION		Total Bits	
<u>Library</u>	1011	0000000000000000	through 1111111111111111	Position	23
<u>-Retrieve-</u> <u>-Alter 1 BIT-</u> <u>-Write-</u>		-plus-		Bit	
<u>Library</u>	1100	0000000000000000	through 1111111111111111	Position	26
<u>-Retrieve-</u> <u>-Alter 127 BIT-</u> <u>-Write-</u>		-plus-		Byte	
<u>Library</u>	1101	0000000000000000	through 1111111111111111	Position	26
<u>-Retrieve-</u> <u>-Alter 1 BYTE-</u> <u>-Write-</u>		-plus-		Byte	
<u>Library</u>	11100	0000000000000000	through 1111111111111111	Position	29
<u>-Retrieve-</u> <u>-Alter 2 BITS-</u> <u>-Write-</u>		-plus-		Bit	

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Operation	INSTRUCTION PORTION	INDEX PORTION	Total Bits
<u>History</u>	0000000000000000 through 111111111111	Position	
- <u>Retrieve</u> -	11101	-plus-	
- <u>Write</u> -		000 through 111	
<u>History</u>	00000 through 11111	Times Dup.	22
- <u>Retrieve</u> -	11110	Times Dup.	10
- <u>Duplicate</u> -		Position	
<u>History</u>	000000000000 through 111111111111	Bit	24
- <u>Retrieve</u> -	11111		
- <u>Alter 1 BIT</u> -			
- <u>Write</u> -			

FIG. 15A

Operation	INSTRUCTION PORTION	INDEX PORTION	Total Bits
<u>History</u>	0000000000000000	through 111111111111	
- <u>Retrieve</u> - - <u>Write</u> -	11101	-plus- 000 through 111	22
<u>History</u>	000000000000	through 111111111111	
- <u>Retrieve</u> - - <u>Alter 1 Bit</u> - - <u>Write</u> -	11111	-plus- 00000 through 11111	24
<u>History</u>	000000000000	through 111111111111	
- <u>Retrieve</u> - - <u>Alter 2 Bits</u> - - <u>Write</u> -	111101	-plus- 00000 through 11111	30

FIG. 15B